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(FILE 'HOME' ENTERED AT 10:47:58 ON 21 DEC 2005)

FILE 'HCAPLUS' ENTERED AT 10:48:09 ON 21 DEC 2005

E US20040211294/PN

L1 1 SEA ABB=ON PLU=ON US20040211294/PN  
D ALL  
SEL RN

FILE 'REGISTRY' ENTERED AT 10:49:35 ON 21 DEC 2005

L2 10 SEA ABB=ON PLU=ON (124-38-9/BI OR 13283-01-7/BI OR  
1333-74-0/BI OR 14040-11-0/BI OR 62571-53-3/BI OR  
630-08-0/BI OR 7440-33-7/BI OR 7440-37-1/BI OR  
7440-59-7/BI OR 7727-37-9/BI)  
D SCAN  
D L2 1-10 RN STR

FILE 'HCAPLUS' ENTERED AT 11:37:44 ON 21 DEC 2005

D SCAN L1

FILE 'REGISTRY' ENTERED AT 11:37:44 ON 21 DEC 2005

L3 1 SEA ABB=ON PLU=ON 7440-33-7/RN  
D SCAN  
L4 1 SEA ABB=ON PLU=ON 13283-01-7/RN  
D SCAN  
L5 1 SEA ABB=ON PLU=ON 14040-11-0/RN  
D SCAN  
\* L6 1 SEA ABB=ON PLU=ON 62571-53-3/RN  
D SCAN

FILE 'HCAPLUS' ENTERED AT 11:40:40 ON 21 DEC 2005

D SCAN L1

FILE 'REGISTRY' ENTERED AT 11:40:40 ON 21 DEC 2005

L7 1 SEA ABB=ON PLU=ON 7440-59-7/RN  
D SCAN  
L8 1 SEA ABB=ON PLU=ON 7440-37-1/RN  
D SCAN  
L9 1 SEA ABB=ON PLU=ON 7727-37-9/RN  
D SCAN

FILE 'HCAPLUS' ENTERED AT 11:46:35 ON 21 DEC 2005

E NANOPHASE/CT

E NANO PHASE/CT

L10 2348 SEA ABB=ON PLU=ON NANOPHAS? OR NANO(A) PHAS?  
 L11 4296 SEA ABB=ON PLU=ON L3/P  
 E POWDER/CT  
 E POWDERS/CT  
 L12 32243 SEA ABB=ON PLU=ON POWDER?/CT  
 L13 QUE ABB=ON PLU=ON PARTICL? OR MICROPARTICL? OR  
 PARTICULAT? OR DUST? OR GRIT? OR GRAIN# OR GRANUL? OR  
 POWDER? OR SOOT? OR SMUT? OR FINES# OR PRILL? OR  
 FLAKE# OR PELLET? OR BB#  
 L14 79 SEA ABB=ON PLU=ON L12 (2A) L10  
 L15 0 SEA ABB=ON PLU=ON L14 AND L11  
 L16 3 SEA ABB=ON PLU=ON L10 (3A) L11  
 D SCAN  
 D QUE L13  
 L17 506 SEA ABB=ON PLU=ON L4/RCT  
 L18 1898 SEA ABB=ON PLU=ON L5/RCT  
 L19 14 SEA ABB=ON PLU=ON L6/RCT  
 L20 81 SEA ABB=ON PLU=ON ((L17 OR L18 OR L19)) AND L11  
 E NANOPARTICLES/CT  
 E E3+ALL  
 L21 30533 SEA ABB=ON PLU=ON NANOPARTICLE?/CT  
 L22 2 SEA ABB=ON PLU=ON L20 AND (L10 OR L21)  
 D SCAN  
 L23 0 SEA ABB=ON PLU=ON L1 AND L22  
 L24 1 SEA ABB=ON PLU=ON L1 AND L11  
 L25 0 SEA ABB=ON PLU=ON L20 AND L1  
 L26 0 SEA ABB=ON PLU=ON L1 AND L17  
 L27 41 SEA ABB=ON PLU=ON L11 AND (L10 OR L21)  
 L28 1 SEA ABB=ON PLU=ON L1 AND L27  
 D SCAN  
 E NANOPARTICLES/CT  
 E E3+ALL  
 D QUE L13  
 L29 128094 SEA ABB=ON PLU=ON NANOPARTICL? OR NANOCRYST? OR  
 NANOSTRUCT? OR NANOSCAL? OR NANOPOWDER? OR NANOGRAIN?  
 OR NANO(A) (CRYST? OR STRUCT? OR SCAL?)  
 L30 3922 SEA ABB=ON PLU=ON NANO(A) L13  
 L31 101 SEA ABB=ON PLU=ON L11 AND (L29 OR L30)  
 L32 104 SEA ABB=ON PLU=ON L31 OR L27  
 L33 1 SEA ABB=ON PLU=ON L32 AND L1  
 L34 2540 SEA ABB=ON PLU=ON L4  
 D KWIC  
 L35 4656 SEA ABB=ON PLU=ON L34 OR (TUNGSTEN OR W) (A) (CHLORIDE  
 OR CL) OR WCL OR WCL6  
 L36 3162 SEA ABB=ON PLU=ON L5

L37 5478 SEA ABB=ON PLU=ON L36 OR ((TUNGSTEN OR W) (A) (CARBONYL  
OR HEXACARBONYL OR HEXA(A)CARBONYL OR C(W)6(W)O(W)6))  
OR W(W)C(W)6(W)O(W)6

FILE 'REGISTRY' ENTERED AT 12:35:16 ON 21 DEC 2005  
D L6 CN

FILE 'HCAPLUS' ENTERED AT 12:36:08 ON 21 DEC 2005

L38 45 SEA ABB=ON PLU=ON L6  
L39 45 SEA ABB=ON PLU=ON L38 OR ((TUNGSTEN OR W) (A) (HEXAETHO  
XIDE OR HEXA(A)ETHOX?)) OR HEXAETHOXYTUNGSTEN  
L40 223 SEA ABB=ON PLU=ON L11 AND (L35 OR L37 OR L39)  
L41 1 SEA ABB=ON PLU=ON L1 AND L40  
L42 107515 SEA ABB=ON PLU=ON L7  
D KWIC  
L43 96994 SEA ABB=ON PLU=ON L8  
L44 287111 SEA ABB=ON PLU=ON L9

FILE 'REGISTRY' ENTERED AT 12:44:17 ON 21 DEC 2005

FILE 'HCAPLUS' ENTERED AT 12:44:32 ON 21 DEC 2005  
D SCAN L1

FILE 'REGISTRY' ENTERED AT 12:44:32 ON 21 DEC 2005

L45 1 SEA ABB=ON PLU=ON 1333-74-0/RN  
D SCAN

FILE 'HCAPLUS' ENTERED AT 12:45:04 ON 21 DEC 2005

L46 305938 SEA ABB=ON PLU=ON L45  
L47 107814 SEA ABB=ON PLU=ON (L42 OR HELIUM OR HE OR L43 OR  
ARGON OR AR OR L44 OR NITROGEN OR N2 OR L45 OR  
HYDROGEN OR H2 OR H) (A) (GAS OR GASES OR ATMOSPHERE OR  
ATM OR VAPOR)  
L48 69521 SEA ABB=ON PLU=ON INERT (A) (GAS OR GASES OR ATMOSPHER?  
OR ATM OR VAPOR)  
L49 10 SEA ABB=ON PLU=ON L40 AND (L47 OR L48)  
D SCAN  
D SCAN TI  
L50 1 SEA ABB=ON PLU=ON L49 AND L1  
D QUE L32  
L51 QUE ABB=ON PLU=ON SUBLIMAT? OR EVAPOR? OR EVAPOUR?  
OR VAPORI? OR VAPOURI?  
L52 9 SEA ABB=ON PLU=ON L32 AND L51  
D SCAN  
D SCAN TI

L53 1 SEA ABB=ON PLU=ON L49 AND L51  
       D SCAN  
 L54 5 SEA ABB=ON PLU=ON L32 AND L48  
       D SCAN TI  
 L55 412222 SEA ABB=ON PLU=ON LOW (2A) PRESSUR? OR VACUUM?  
 L56 9 SEA ABB=ON PLU=ON L55 AND L32  
       D SCAN TI  
 L57 5 SEA ABB=ON PLU=ON L32 AND CARBURI?  
       D SCAN TI  
 L58 6 SEA ABB=ON PLU=ON L32 AND CONDENS?  
       D SCAN  
       D SCAN TI  
 L59 0 SEA ABB=ON PLU=ON L14 AND L1  
       D QUE L35  
 L60 39 SEA ABB=ON PLU=ON L16 OR L22 OR L49 OR L52 OR L54 OR  
       L56 OR L57 OR L58  
 L61 63 SEA ABB=ON PLU=ON L60 OR L27  
 L62 24 SEA ABB=ON PLU=ON L61 NOT L60  
 L63 QUE ABB=ON PLU=ON HEAT? OR COOL? OR (HIGH## OR  
       HEIGHTEN? OR RAIS? OR ELEVAT? OR LOW OR LOWER OR  
       LOWEST OR COOL) (2A) (TEMP# OR TEMPERATUR?) OR REFRIDG?  
       OR FREEZ? OR FROZ?  
 L64 16 SEA ABB=ON PLU=ON L63 AND L60  
 L65 3 SEA ABB=ON PLU=ON L60 AND (DEG OR DEGREE?) (A) (C OR F  
       OR K OR CELSIUS OR CENTIGRAD? OR FAHRENHEIT? OR  
       KELVIN?)  
 L66 39 SEA ABB=ON PLU=ON L60 OR L64 OR L65  
 L67 QUE ABB=ON PLU=ON PRODUC? OR PROD# OR GENERAT? OR  
       MANUF? OR MFR# OR CREAT? OR FORM## OR FORMING# OR  
       FORMAT? OR MAKE# OR MADE# OR MAKING# OR FABRICAT? OR  
       SYNTHESI? OR PREPAR? OR PREP#  
 L68 90280 SEA ABB=ON PLU=ON L3  
 L69 4001 SEA ABB=ON PLU=ON (L68 OR TUNGSTEN OR W) AND (L10 OR  
       L14 OR L21 OR L29 OR L30)  
 L70 3233 SEA ABB=ON PLU=ON L69 AND L67  
       D QUE L69  
 L71 92 SEA ABB=ON PLU=ON L70 AND (L35 OR L37 OR L39)  
 L72 8 SEA ABB=ON PLU=ON L71 AND (L47 OR L48)  
       D SCAN  
       D SCAN TI  
 L73 151 SEA ABB=ON PLU=ON L70 AND (L47 OR L48)  
 L74 24 SEA ABB=ON PLU=ON L73 AND L51  
       D SCAN TI  
 L75 2 SEA ABB=ON PLU=ON L74 AND L55  
 L76 18 SEA ABB=ON PLU=ON L74 AND L63

D SCAN TI  
 L77 39559 SEA ABB=ON PLU=ON (L68 OR TUNGSTEN OR W) (2A) L67  
 L78 730 SEA ABB=ON PLU=ON L77(2A) (L10 OR L14 OR L21 OR L29  
 OR L30)  
 L79 58 SEA ABB=ON PLU=ON L78 AND (L35 OR L37 OR L39)  
 L80 7 SEA ABB=ON PLU=ON L79 AND (L47 OR L48)  
 L81 60 SEA ABB=ON PLU=ON L78 AND (L47 OR L48)  
 L82 11 SEA ABB=ON PLU=ON L81 AND L51  
 L83 2 SEA ABB=ON PLU=ON L82 AND L55  
 L84 8 SEA ABB=ON PLU=ON L82 AND L63  
 L85 24 SEA ABB=ON PLU=ON L81 AND L63  
 L86 32 SEA ABB=ON PLU=ON L72 OR L80 OR (L82 OR L83 OR L84  
 OR L85)  
 L87 67 SEA ABB=ON PLU=ON L86 OR L66  
 D SCAN TI  
 L88 28 SEA ABB=ON PLU=ON L87 NOT L66  
 D SCAN TI  
 D L88 1-28 TI  
 D L88 3 ALL

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L3 1 SEA FILE=REGISTRY ABB=ON PLU=ON 7440-33-7/RN  
 L4 1 SEA FILE=REGISTRY ABB=ON PLU=ON 13283-01-7/RN  
 L5 1 SEA FILE=REGISTRY ABB=ON PLU=ON 14040-11-0/RN  
 L6 1 SEA FILE=REGISTRY ABB=ON PLU=ON 62571-53-3/RN  
 L7 1 SEA FILE=REGISTRY ABB=ON PLU=ON 7440-59-7/RN  
 L8 1 SEA FILE=REGISTRY ABB=ON PLU=ON 7440-37-1/RN  
 L9 1 SEA FILE=REGISTRY ABB=ON PLU=ON 7727-37-9/RN  
 L10 2348 SEA FILE=HCAPLUS ABB=ON PLU=ON NANOPHAS? OR NANO(A) PH  
 AS?  
 L11 4296 SEA FILE=HCAPLUS ABB=ON PLU=ON L3/P  
 L13 QUE ABB=ON PLU=ON PARTICL? OR MICROPARTICL? OR PARTI  
 CULAT? OR DUST? OR GRIT? OR GRAIN# OR GRANUL? OR POWDER  
 ? OR SOOT? OR SMUT? OR FINES# OR PRILL? OR FLAKE# OR PE  
 LLET? OR BB#  
 L16 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L10 (3A) L11  
 L17 506 SEA FILE=HCAPLUS ABB=ON PLU=ON L4/RCT  
 L18 1898 SEA FILE=HCAPLUS ABB=ON PLU=ON L5/RCT  
 L19 14 SEA FILE=HCAPLUS ABB=ON PLU=ON L6/RCT  
 L20 81 SEA FILE=HCAPLUS ABB=ON PLU=ON ((L17 OR L18 OR L19))  
 AND L11  
 L21 30533 SEA FILE=HCAPLUS ABB=ON PLU=ON NANOPARTICLE?/CT

L22 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 AND (L10 OR L21)  
 L27 41 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 AND (L10 OR L21)  
 L29 128094 SEA FILE=HCAPLUS ABB=ON PLU=ON NANOPARTICL? OR  
       NANOCRYST? OR NANOSTRUCT? OR NANOSCAL? OR NANOPOWDER?  
       OR NANOGRAIN? OR NANO(A) (CRYST? OR STRUCT? OR SCAL?)  
 L30 3922 SEA FILE=HCAPLUS ABB=ON PLU=ON NANO(A) L13  
 L31 101 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 AND (L29 OR L30)  
 L32 104 SEA FILE=HCAPLUS ABB=ON PLU=ON L31 OR L27  
 L34 2540 SEA FILE=HCAPLUS ABB=ON PLU=ON L4  
 L35 4656 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 OR (TUNGSTEN OR  
       W) (A) (CHLORIDE OR CL) OR WCL OR WCL6  
 L36 3162 SEA FILE=HCAPLUS ABB=ON PLU=ON L5  
 L37 5478 SEA FILE=HCAPLUS ABB=ON PLU=ON L36 OR ((TUNGSTEN OR  
       W) (A) (CARBONYL OR HEXACARBONYL OR HEXA(A) CARBONYL OR  
       C(W)6(W)O(W)6)) OR W(W)C(W)6(W)O(W)6  
 L38 45 SEA FILE=HCAPLUS ABB=ON PLU=ON L6  
 L39 45 SEA FILE=HCAPLUS ABB=ON PLU=ON L38 OR ((TUNGSTEN OR  
       W) (A) (HEXAETHOXIDE OR HEXA(A) ETHOX?)) OR HEXAETHOXYTUNG  
       STEN  
 L40 223 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 AND (L35 OR L37  
       OR L39)  
 L42 107515 SEA FILE=HCAPLUS ABB=ON PLU=ON L7  
 L43 96994 SEA FILE=HCAPLUS ABB=ON PLU=ON L8  
 L44 287111 SEA FILE=HCAPLUS ABB=ON PLU=ON L9  
 L45 1 SEA FILE=REGISTRY ABB=ON PLU=ON 1333-74-0/RN  
 L47 107814 SEA FILE=HCAPLUS ABB=ON PLU=ON (L42 OR HELIUM OR HE  
       OR L43 OR ARGON OR AR OR L44 OR NITROGEN OR N2 OR L45  
       OR HYDROGEN OR H2 OR H) (A) (GAS OR GASES OR ATMOSPHERE  
       OR ATM OR VAPOR)  
 L48 69521 SEA FILE=HCAPLUS ABB=ON PLU=ON INERT(A) (GAS OR GASES  
       OR ATMOSPHER? OR ATM OR VAPOR)  
 L49 10 SEA FILE=HCAPLUS ABB=ON PLU=ON L40 AND (L47 OR L48)  
 L51 QUE ABB=ON PLU=ON SUBLIMAT? OR EVAPOR? OR EVAPOUR? O  
       R VAPORI? OR VAPOURI?  
 L52 9 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND L51  
 L54 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND L48  
 L55 412222 SEA FILE=HCAPLUS ABB=ON PLU=ON LOW(2A)PRESSUR? OR  
       VACUUM?  
 L56 9 SEA FILE=HCAPLUS ABB=ON PLU=ON L55 AND L32  
 L57 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND CARBURI?  
 L58 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND CONDENS?  
 L60 39 SEA FILE=HCAPLUS ABB=ON PLU=ON L16 OR L22 OR L49 OR  
       L52 OR L54 OR L56 OR L57 OR L58  
 L63 QUE ABB=ON PLU=ON HEAT? OR COOL? OR (HIGH## OR HEIGH  
       TEN? OR RAIS? OR ELEVAT? OR LOW OR LOWER OR LOWEST OR C  
       OOL) (2A) (TEMP# OR TEMPERATUR?) OR REFRIDG? OR FREEZ? OR  
       FROZ?  
 L64 16 SEA FILE=HCAPLUS ABB=ON PLU=ON L63 AND L60  
 L65 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L60 AND (DEG OR  
       DEGREE?) (A) (C OR F OR K OR CELSIUS OR CENTIGRAD? OR  
       FAHRENHEIT? OR KELVIN?)  
 L66 39 SEA FILE=HCAPLUS ABB=ON PLU=ON L60 OR L64 OR L65